

R E M A R K S

Claims 1-17 are presently pending in this application and have been subject to restriction as follows:

- I. Claims 1, 9, 12, 17-in-full and 4-6, 11, 14, 15-in-part, drawn a method for identifying probabilities of molecular interactions; and
- II. Claims 2, 3, 7, 8 13, 16-in-full and claims 4-6, 11 14 15 in-in-part, drawn to a method for identifying probabilities of protein interactions. drawn to a method of producing chimeric RNA molecule in a cell, classified in class 435, and subclass 6; and

In support of the present restriction requirement, the Examiner has alleged that the subject matter of the pending claims represent distinct inventions.

In particular, the Examiner alleges that the inventions of Group I and Group II are separate and distinct because they are drawn to computing probabilities of interactions between differing groups or types of matter. In particular, Group I claims are drawn to interactions between molecules which include chemicals, pharmaceuticals and any other type of molecule, while Group II claims are drawn to interactions between proteins, which have a complex structure and complicated structure/function relationship.

The requirement for restriction is respectfully traversed. Applicants assert that the subject matter encompassed by the claims of group I and group II are sufficiently related by structure and function that there would not be an undue search burden to examine the pending claims as a single group. However, in order to be fully responsive to the requirement for

restriction, Applicants elect, with traverse, the claimed methods of Group II. Withdrawal of the requirement for restriction and favorable consideration and allowance is earnestly solicited.

Respectfully submitted,

Carmella L. Stephens

Lisa B. Kole

PTO Registration No. 35,225

Carmella L. Stephens  
PTO Registration No. 41,328  
Attorney/Agent for Applicant

BAKER BOTTS, L.L.P.  
30 Rockefeller Plaza  
New York, NY 10112  
(212) 408-2539